

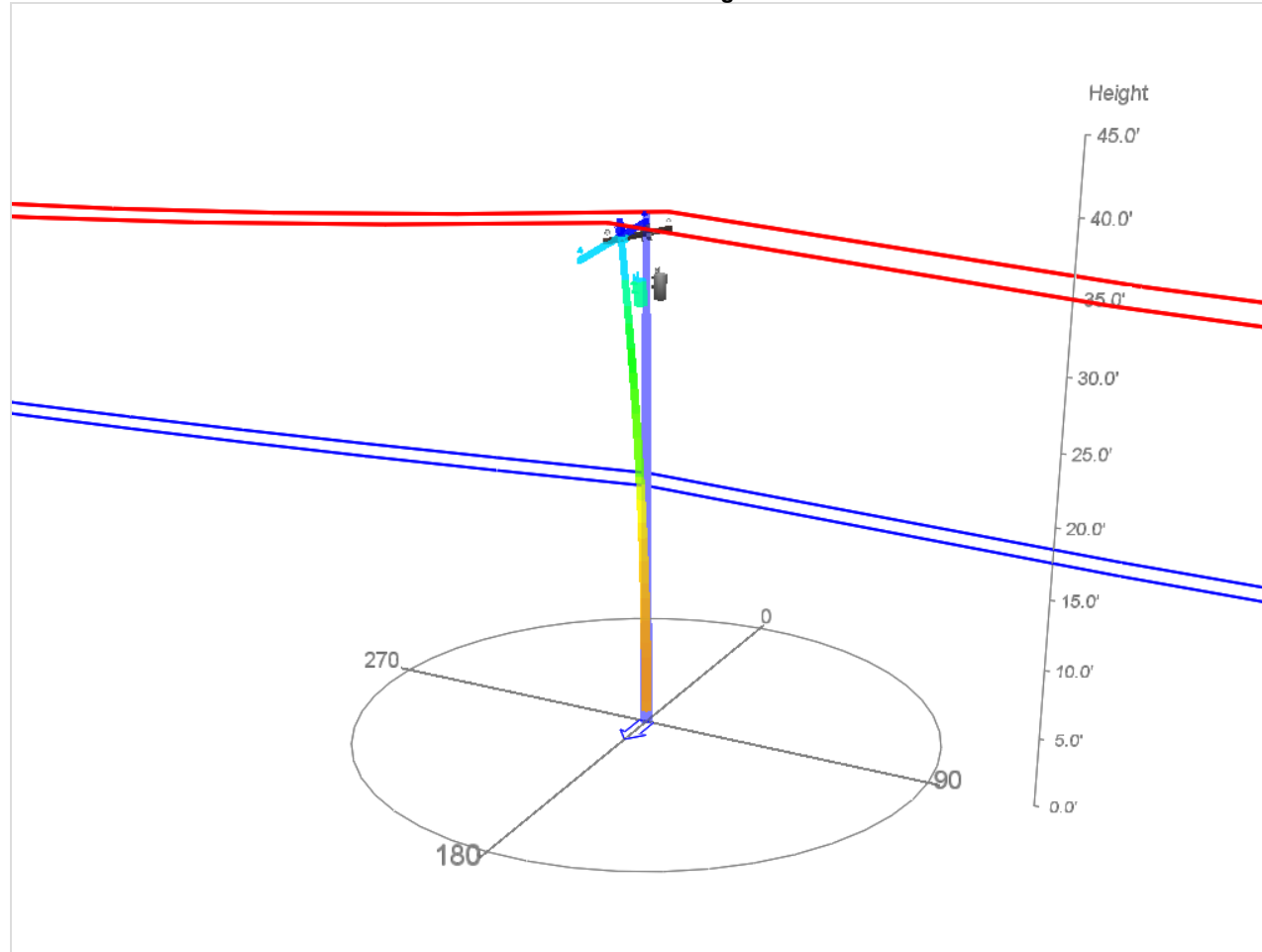
Location Properties

Technician:	Map Number:
Address:	Pole Tags:
City:	State:
County:	Zip Code:
Cross Street 1:	Cross Street 2:
Remedy:	Summary Notes:
Comments:	

Location Analysis Summary

Layer	Pole Length/Class	Minimum Safety Factor						Pole Strength Remaining	Loading Adjusted by Strength?	Clearance Violations Present?
		Pole	Guy	Anchor	Cross Arm	Insulator	Sidewalk Brace			
As Designed	45/4	2.84 from stress at 3' 3"	No Data	No Data	No Data	No Data	No Data	100%	Y	N

Theoretical: As Designed



Analysis Results

Component	In Service, Heavy, 6 lb, Grade A (Governing Case)			In Service, 12 lb, Grade A			Client File Maximum Rating
	Safety Factor	Load (Applied / Allowable)	Wind Direction	Safety Factor	Load (Applied / Allowable)	Wind Direction	
Pole	2.84 from stress at 3' 3"	2814 / 8000 lb/in ²	180 °	2.98 from stress at 3' 3"	2686 / 8000 lb/in ²	170 °	8000 lb/in ²

Wire End Points and Wires

WEP#1													
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground						
Other Pole	None	271'	90 °	Undefined.	0 °	N/A	N/A						
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#3	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.28	333.76 lbF	Dynamic	1471.27 lbF**	8' 6****	843.28 lbF**	8' 3****
Wire#4	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.28	333.76 lbF	Dynamic	1472.83 lbF**	8' 6****	843.34 lbF**	8' 3****
Wire#6	.5" TELCO 5/16" Messenger	Unknown	Communication	Heavy Full	20' 0"	0' 0"	1	928 lbF	Dynamic	2100.85 lbF**	5' 6****	1256.68 lbF**	4' 7****
Wire#7	.5" CATV 1/4" Messenger	Unknown	Communication	Heavy Full	19' 0"	0' 0"	1	659 lbF	Dynamic	1694.71 lbF**	6' 4****	1021.05 lbF**	5' 0****

WEP#3													
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground						
Other Pole	None	98'	267 °	Undefined.	0 °	N/A	N/A						
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#5	.5" TELCO 5/16" Messenger	Unknown	Communication	Heavy Full	20' 0"	0' 0"	1	1161 lbF	Dynamic	2092.64 lbF**	0' 9****	1289 lbF**	0' 7****
Wire#8	.5" CATV 1/4" Messenger	Unknown	Communication	Heavy Full	19' 0"	0' 0"	1	677 lbF	Dynamic	1351.13 lbF**	1' 0****	827.77 lbF**	0' 10****

WEP#2													
Type	Environment	Distance	Direction	GPS Point	Inclination	Measured Between	Measured to Ground						
Other Pole	None	150'	270 °	Undefined.	0 °	N/A	N/A						
ID	Size	Owner	Group	Tension Group	Height	Midspan	TAF	Initial Tension	Tension Method	In Service, Heavy, 6 lb, Grade A		In Service, 12 lb, Grade A	
										Tension	Sag	Tension	Sag
Wire#1	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.34	358.05 lbF	Dynamic	1513.15 lbF**	2' 6****	891.66 lbF**	2' 5****
Wire#2	1/0 ACSR Tree Wire XLPE	SCE	Primary	Heavy Full	38' 9"	0' 0"	0.34	357 lbF	Dynamic	1518.44 lbF**	2' 6****	890.16 lbF**	2' 5****

*Tension value used in an analysis may vary dependent on 'Average Length on Main Span' setting in the Load Case.

** Tension value is inclusive of environmental and load factors associated with the Load Case.

*** Sag value is inclusive of environmental and load factors associated with the Load Case.

Equipment

ID	Size	Owner	Type	Height	Bottom Height	Direction
Equip#1	Fuse Arm with 2 Cutouts	SCE	Cutout Arrestor	37' 6"	37' 6"	0 °
Equip#2	25 kVA Transformer	SCE	Transformer	34' 6"	34' 6"	90 °

Cross Arms

ID	Size	Height	Association	Direction	Offset	Insulators
CrossArm#1	10 Foot Cross Arm	37' 6"	Other	0 °	5' 0"	Insulator#1, Insulator#2

Insulators

ID	Size	Direction	Offset	Wires
Insulator#1	12 kV Post (Cross Arm)	90 °	0' 4"	Wire#4, Wire#1
Insulator#2	12 kV Post (Cross Arm)	90 °	9' 8"	Wire#3, Wire#2

Location 4185754E Location Forms

SAP

- Field Inspection Date: 08/16/2022
- High Fire: Elevated
- Special Project: No
- Associated Poles:
- Visible Damage: No
- Pole Type: ED
- District: 73 - Victorville
- Region: ED-SE-DESERTRE
- Above 3000 Ft Elevation: Yes
- As Designed Work Type: Existing
- Access Notes:

Pole Info Form

- Pole Equipment #:
- Previous Inspection Date:
- Year Installed:
- As Is POA Height:
- As Is POA Diameter:
- As Designed POA Height:
- As Designed POA Diameter:
- Thomas Guide/Quadrant:
- Circuit:
- Substation:
- FIM:
- Location:
- City:
- Brand Height:
- Date Pole Load Performed:
- Comments:
- GPS Location: N/A

QC Comments

- QC Comments: